

Chandler Phung

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Target Roles: Machine Learning Intern | Data Science Intern | Software Engineering Intern

EDUCATION

University of Alabama at Birmingham

Birmingham, AL

MS, Computer Science

Expected, December 2026

Relevant Coursework: Advanced Data Structures & Applications, Machine Learning, NLP (Natural Language Processing), GPU Programming, Deep Learning, Foundations of Data Science

BA, Computer Science

December, 2024

BS, Kinesiology with a concentration in exercise science

May, 2023

SKILLS

Programming & Development: Python, Java, C/C++, JavaScript, HTML, CSS, React, Angular, Bootstrap, Node.js, Express.js, Flask, FastAPI

Machine Learning & Deep Learning: Scikit-learn, PyTorch, OpenCV, DeepFace

Data Manipulation & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Jupyter, Google Colab

Databases: MySQL, PostgreSQL, MongoDB

Cloud & Deployment: AWS EC2, AWS RDS

Version Control: Git, GitHub

Tools & Automation: RESTful APIs, OAuth2, PyAutoGUI, Tkinter

TECHNICAL EXPERIENCE

Facial Recognition Authentication System

December 2025 – January 2026

- Developed a real-time facial recognition system for multi-user authentication with live webcam input.
- Implemented face detection, identity verification, and confidence-based access control, achieving consistent recognition across varied lighting conditions.
- Automated user-specific application login, enabling seamless multi-user PC authentication for software and games.
- Designed a GUI for account selection and optimized verification frequency to balance performance and accuracy.

Cloud Hosted Spotify Alarm Clock Automation

December 2025 – January 2026

- Built backend integrating Spotify Web API to automate playlist playback based on scheduled triggers using OAuth2 authentication.
- Managed PostgreSQL database on AWS RDS for secure token and session storage.
- Implemented automated playback logic with token refresh handling and REST endpoints for reliable cloud-hosted execution.
- Deployed on AWS EC2, ensuring persistent background operation and external accessibility.